

Source Water Assessment and Protection Update

Information for DHS staff and LPA counties on the California Drinking Water Source Assessment and Protection Program (DWSAP)

Issue 3

September 2000

LPA DWSAP Contract Revisions

Revised Budgets Due by October 1

Most LPAs were recently sent a letter informing them that DWSAP budgets must be updated. This does not include Santa Cruz, Monterey, Kings, Merced, Madera, El Dorado, Santa Barbara, Inyo and Calaveras counties, because they recently executed or amended their contracts.

DHS is required to update LPA budgets to reflect current projected expenses. This is your opportunity to "roll-over" funds from one fiscal year to another. **The "roll-over" will not occur without a revised budget.** DHS will execute a contract amendment for each county for the budget changes. The contract amendment may take some time to complete, as they may require authorization by your county's Board of Supervisors.

For your convenience you may obtain an electronic copy of your county's current budgets by sending an e-mail to Angela Duromola (aduromol@dhs.ca.gov). In your message specify whether you prefer MS-Excel or MS-Word format.

The revised budgets must be submitted by October 1, 2000 to Angela Duromola (see address in box below).

You may also return the revised budgets to Angela Duromola via e-mail at the address above. ❖

DWSAP Guidance on the Web

The DWSAP website has recently been updated to include guidance for DHS and LPA staff. The guidance is "interim" at this time, and your comments and suggestions are welcomed. Topics currently available:

- **Assessments for Surface Water Sources**
(This is a somewhat lengthy document in .pdf format)
- **Delineating Protection Zones for Wells Close Together**
- **Completion of an Assessment**

The website address is:

<http://www.dhs.ca.gov/ps/ddwem/dwsap/guidance/index.htm> . Additional guidance will be posted as available.

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LPA DWSAP Invoices

Reminder! Submit all invoices for the 1999-2000 fiscal year as soon as possible. Remember to include a narrative description of work accomplished, and attach receipts for equipment purchases.

The invoices must be consistent with budgeted line items, including benefits and overhead percentages. If these numbers have changed the budget must be revised (see related article). Also, make sure that the invoice includes the LPA name, address, and the invoice number. ❖

Submit all DWSAP invoices and contract changes to:
Department of Health Services
Drinking Water State Revolving Fund
Attention: Angela Duromola
P.O. Box 942732
Sacramento, CA 94234-7320

Acronyms used in this Newsletter

DHS – California Department of Health Services, Division of Drinking Water and Environmental Management

DMS – GPS Data Management System (data dictionary software for GPS units developed by UCD-ICE)

GIS – Geographic Information System

GPS – Global Positioning System

LPA – Local Primacy Agency (a county that has been delegated primacy for the drinking water regulatory program for small water systems)

UCD-ICE – University of California, Davis Information Center for the Environment (DHS contractor for GIS, GPS and other data tools).

EPA – US Environmental Protection Agency

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LPA GPS Data Management System Installation

At the time of this writing, the GPS Data Management System (DMS) software had been installed at the following LPAs:

Amador	San Bernardino
Calaveras	San Diego
Contra Costa	San Joaquin
Fresno	San Luis Obispo
Kings	San Mateo
Madera	Santa Barbara
Marin	Santa Cruz
Monterey	Tulare
Napa	Tuolumne
Riverside	Yolo
Sacramento	

Upcoming installations are scheduled as follows (subject to change):

Yuba	September 18
Butte	September 18
Nevada	September 19
El Dorado (South Lake Tahoe office)	September 20
Alpine/Mono	September 21
Inyo	September 22

We would like to schedule the remaining counties (Shasta, Placer, El Dorado - Placerville office, Los Angeles, Stanislaus, Merced and Imperial) by the end of October. Thank you to the LPA staff that have assisted us with the software installation. ❖

GPS Newsgroup

UCD-ICE will be establishing an internet-based GPS newsgroup for DHS and LPA staff. The newsgroup will allow staff to post questions, receive answers from UCD-ICE, and view tips, suggestions, questions and answers posted by other members. The newsgroup will be located on the SWAP server at UC Davis (<http://swap.ice.ucdavis.edu>)

Information about the newsgroup will be posted on the SWAP server at UC Davis soon. ❖

DHS GPS DMS Installations

We are preparing to distribute the GPS DMS software to DHS districts. Power Users are to install the DMS and Pathfinder Office (Version 2.51) on one computer in the district office that is connected to the network. This will be an interim location for the software until the new GIS workstations arrive.

The installation instructions for the DMS software are in the GPS training manual that was distributed at the Power Users GPS training (also available on the Web, see related article below). ❖



GPS Training Manual Available on the Web

Appendix Updates Posted Recently

The manual prepared by UCD-ICE for the GPS Data Management System software is available on the Internet. The manual has four parts and five appendices, and the documents are in Adobe Acrobat (.pdf) format. To download the manuals use the following procedures:

1. Start Internet Explorer
2. Go to the SWAP UCD-ICE website
<http://swap.ice.ucdavis.edu/>
3. Click on "GPS Training Manual"
4. **RIGHT CLICK** on "Part I - Introduction" (or the part that you want) from the list of choices
5. Choose "Save target as..." from the popup menu.
6. Navigate to the directory where you want to save the program.
7. Click "Save."
8. Repeat for all parts of the manual and for each appendix.

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Frequently Asked Question

Why Does the Source Location Have To Be So Accurate?

Answer: Because it is an EPA requirement for the state grant from EPA. The method standard that we have established for source locations (GPS with differential location) fulfills EPA's accuracy requirements for the SDWIS database.

Above and beyond the EPA requirements, remember that accurate source locations are important to many other applications. Consider that since we are already making a field visit to obtain a GPS reading, for a small incremental effort we can have an accurate and reliable source location. This information can then be used with the locations of pollutants mapped by other agencies, and we can get a better estimate of the likelihood of contamination. ❖

TurboSWAP Beta Test

At long last, DHS is preparing to release a beta version of TurboSWAP (DWSAP electronic forms) to DHS districts in September. We need beta testers who can evaluate the software quickly.

For this first effort, beta testers are required to:

- Be DHS staff
- Install the software on the same computer as the GPS DMS (eventually both programs will be located on the network)
- Conduct one or more assessments using TurboSWAP by the beginning of October
- Take notes while using the program and record any problems or questions encountered
- Send notes and any comments to Leah Walker by October 10

DHS district engineers should notify Leah Walker (lwalker2@dhs.ca.gov) with the names of any beta testers. ❖



UCMR and Laboratory Data

DHS District Offices to Provide Source Identification Numbers by October 1

EPA is proposing analytical methods for fourteen contaminants on the Unregulated Contaminant Monitoring Rule (UCMR) and requiring monitoring for those contaminants in drinking water. Additionally, EPA is proposing modifications to the UCMR that affect the implementation of monitoring for contaminants.

(<http://www.epa.gov/safewater/ucmr.html>)

To support this proposed new rule, UCMR database development efforts are continuing at a rapid pace to meet the implementation schedule of January 1, 2001. EPA is developing the Safe Drinking Water Accession and Review System (SDWARS) which will provide a mechanism for secure data entry, review, and approval of sample data collected and analyzed under the UCMR.

One of the keys to the success of the UCMR effort is participation of the laboratories in the electronic transmission of laboratory data to EPA.

To support EPA's implementation of the UCMR in California, DHS sent a form to all the large public water systems to identify the source sampling points. However, to reduce any confusion and to work with EPA's electronic data transfer (EDT), DHS has agreed to provide the source sample identification numbers to EPA from PICME instead of allowing the PWS to assign other numbers. The PICME source identification codes are used by labs with Write-On to submit data via EDT.

Use of the same codes for the UCMR as for Write-On will simplify the electronic data transfer of UCMR data for both labs and water systems and enable DHS to access the UCMR data itself if it has need to do so. To make certain that we provide EPA with accurate PICME codes for the sites EPA has identified for sampling, **each DHS district office will be sent the UCMR forms originally sent to the PWS for verification. This task will need to be completed prior to October 1.**

For more information contact Cliff Bowen of DHS at 510-540-2173 or cbowen1@dhs.ca.gov. ❖



PAC-TAC Meeting October 16

The DWSAP program was developed by DHS with the assistance of a Policy Advisory Committee (PAC) and a Technical Advisory Committee (TAC). These committees each met six times during 1997 to 1998. Committee members included representatives of state, federal and local agencies, water systems, environmental organizations, drinking water organizations, and technical experts.

After the DWSAP program was submitted to EPA in January 1999, the advisory committees expressed an interest in meeting periodically for updates on program implementation.

The first update meeting of the combined PAC and TAC is scheduled for Monday, October 16, 2000 at 10 AM. The meeting will be held at DHS Drinking Water Program headquarters in Sacramento. The agenda will include a program status update, demonstration of DWSAP tools, and a review of completed assessments. Persons interested in attending the meeting should notify Leah Walker at lwalker2@dhs.ca.gov. ❖

Color Printer Purchases For DHS Districts

Each DHS district office may purchase one color printer to use for source water assessment maps and other purposes. These printers are capable of printing on paper up to 11x17, which should be large enough for almost all DWSAP maps. The printer is to be ordered through Office Depot with the following information:

Sku/Cust Nbr:	0358441 C2695A#ABA
Item Description:	Printer, HP DJ1220CSE
Unit Price:	\$559.55
Sales Tax:	41.96
Total Price:	\$601.51

Please note that this item is not in the Office Depot catalog and the normal discount does not apply. If you have any questions please contact Paul Collins at 916-324-2320. ❖

Data Advisory Committee (DAC) Update

The DWSAP DAC met on August 2, 2000. The meeting was attended by people from DHS, UCD-ICE, state agencies and water agencies. Following a round table discussion of data activities, the committee heard a presentation by Skip Campbell with the California Air Resources Board (ARB).

Skip demonstrated ARB's newest version of the California Emission Inventory Geographic Information System (CEIGIS). This system was developed by ARB's Emission Inventory Branch as a web-based interactive mapping application that allows users to query and map air pollutant point sources emissions data. Users can select from a list of administrative boundaries and air pollutants to determine the location and magnitude of reported emissions. Also, users can obtain additional information about mapped facilities by accessing a link to more detailed databases.

ARB plans to enhance CEIGIS to include additional categories of emissions data, as well as air quality and permitting data. The current version of CEIGIS is available on the web at <http://www.arb.ca.gov/emisinv/eib.htm> under the heading "Interactive Emission Maps". The new version of CEIGIS, which contains both toxic and criteria emissions data, will be available soon at the same address.

The next meeting of the DAC is scheduled for October 4, 2000 at UC Davis. The featured speaker will be Stephen Reynolds of the California Department of Conservation. He will be discussing the abandoned mine inventory program.

Contact Leah Walker at lwalker2@dhs.ca.gov if you are interested in attending this meeting to arrange a parking pass. ❖

DWSAP Contact Information

Questions, comments or concerns about this update? Send them to Leah Walker at lwalker2@dhs.ca.gov or call 707-576-2295. The mailing address is:

California Department of Health Services
Drinking Water Technical Programs Branch
50 D Street, Suite 200
Santa Rosa, CA 95404

